

INTERNATIONAL SEARCH REPORT

International Application No
PCT /EP2004/009090

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F01L13/00 F01L13/06 F02D13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation consulted (classification system followed by classification symbols)
IPC 7 F01L F02D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data bases consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 100 38 916 A (FEV MOTORENTECH GMBH) 21 February 2002 (2002-02-21) cited in the application the whole document	1,10,62
X	US 5 103 779 A (HARE SR NICHOLAS S) 14 April 1992 (1992-04-14) figure 13	1
Y	US 6 244 257 B1 (HU HAORAN) 12 June 2001 (2001-06-12)	2
X	figure 1	60,62
Y	US 3 144 009 A (GOODFELLOW EVERETT S ET AL) 11 August 1964 (1964-08-11) figures 3-9	3,4
X	figure 2	5,8
A	—	39
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the International search	Date of mailing of the International search report
29 November 2004	06/12/2004
Name and mailing address of the ISA European Patent Office, P.B. 6018 Patentlaan 2 NL - 2200 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax. (+31-70) 340-3016	Authorized officer Clot, P

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Y	the whole document	15,16,55
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Information on patent family members

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